

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (PREVIOUSLY PRESENTED) An inbred squash seed designated 833 wherein a sample of said seed has been deposited under NCIMB No. _____.
2. (ORIGINAL) A squash plant, or parts thereof, produced by growing the seed of claim 1.
3. (ORIGINAL) Pollen of the plant of claim 2.
4. (ORIGINAL) An ovule or ovules of the plant of claim 2.
5. (ORIGINAL) A squash plant, or parts thereof, having all of the physiological and morphological characteristics of the squash plant of claim 2.
6. (CANCELED)
7. (PREVIOUSLY PRESENTED) A tissue culture of regenerable cells of a squash plant of inbred 833, wherein the cells produce a plant having all the morphological and physiological characteristics of inbred squash line 833, and wherein a sample of representative seeds has been deposited under NCIMB No _____.
8. (PREVIOUSLY PRESENTED) The tissue culture of claim 7, selected from the group consisting of protoplasts and calli, wherein the regenerable cells are derived from meristematic cells, leaves, pollen, embryos, roots, root tips, flowers, anthers, stems, petioles, fruits, seeds, cotyledons and hypocotyls.
9. (PREVIOUSLY PRESENTED) A squash plant regenerated from the tissue culture of claim 7, having all the morphological and physiological characteristics of inbred squash line 833, representative seeds having been deposited under NCIMB No _____.

10. (ORIGINAL) A method for producing a hybrid squash seed comprising crossing a first inbred parent squash plant with a second inbred parent squash plant and harvesting the resultant hybrid squash seed, wherein said first or second parent squash plant is the squash plant of claim 2.

11 - 33. (CANCELED)

34. (CURRENTLY AMENDED) A method of producing a transgenic squash plant comprising transforming the squash plant of claim 2 with a transgene wherein the transgene confers a characteristic selected from the group ~~consisting of~~: consisting of herbicide resistance, insect resistance, resistance to bacterial disease, resistance to fungal disease, resistance to viral disease, and male sterility.

35. (PREVIOUSLY PRESENTED) A transgenic squash plant produced by the method of claim 34.

36. (PREVIOUSLY PRESENTED) A method of producing an herbicide resistant squash plant comprising transforming the squash plant of claim 2 with a transgene that confers herbicide resistance.

37. (PREVIOUSLY PRESENTED) An herbicide resistant squash plant produced by the method of claim 36.

38. (PREVIOUSLY PRESENTED) A method of producing an insect resistant squash plant comprising transforming the squash plant of claim 2 with a transgene that confers insect resistance.

39. (PREVIOUSLY PRESENTED) An insect resistant squash plant produced by the method of claim 38.

40. (PREVIOUSLY PRESENTED) A method of producing a disease resistant squash plant comprising transforming the squash plant of claim 2 with a transgene that confers resistance to bacterial, fungal or viral disease.

41. (PREVIOUSLY PRESENTED) A disease resistant squash plant produced by the method of claim 40.

Application Serial No. 10/082,707
Amendment dated July 26, 2004
Reply to Final Office Action dated May 14, 2004

42. (PREVIOUSLY PRESENTED) A method of producing a male sterile squash plant comprising transforming the squash plant of claim 2 with a transgene that confers male sterility.

43 - 46. (CANCELED)

47. (PREVIOUSLY PRESENTED) A male sterile squash plant produced by the method of claim 42.

48 - 49. (CANCELED)

50. (PREVIOUSLY PRESENTED) A hybrid squash seed designated 833*8324 having inbred line 833 as a parental line, representative seed of said hybrid having been deposited under NCIMB No. _____.

51. (PREVIOUSLY PRESENTED) A hybrid squash plant produced by growing the hybrid seed of claim 50.